

CFU-f apoptotic cells % (Annexin V kit) obtained from systemically treated old mice with BMP-2 (i.p. 0.5, 1.0 ug/day, 20d)

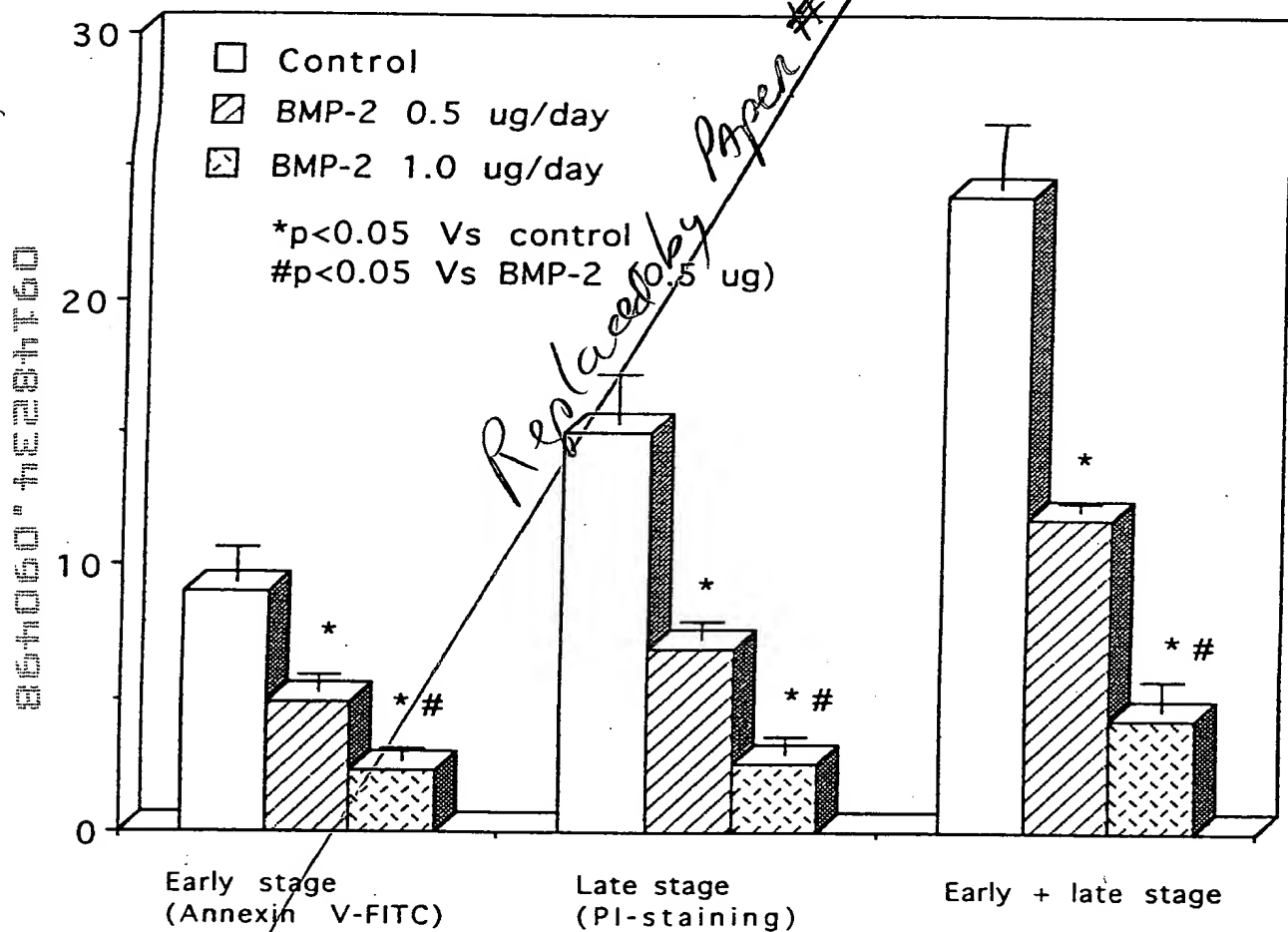


FIG. 1

Grip test (muscle strength) in systemically treated old mice with BMP-2 (i.p. 0.5, 1.0 ug/day, 20d)

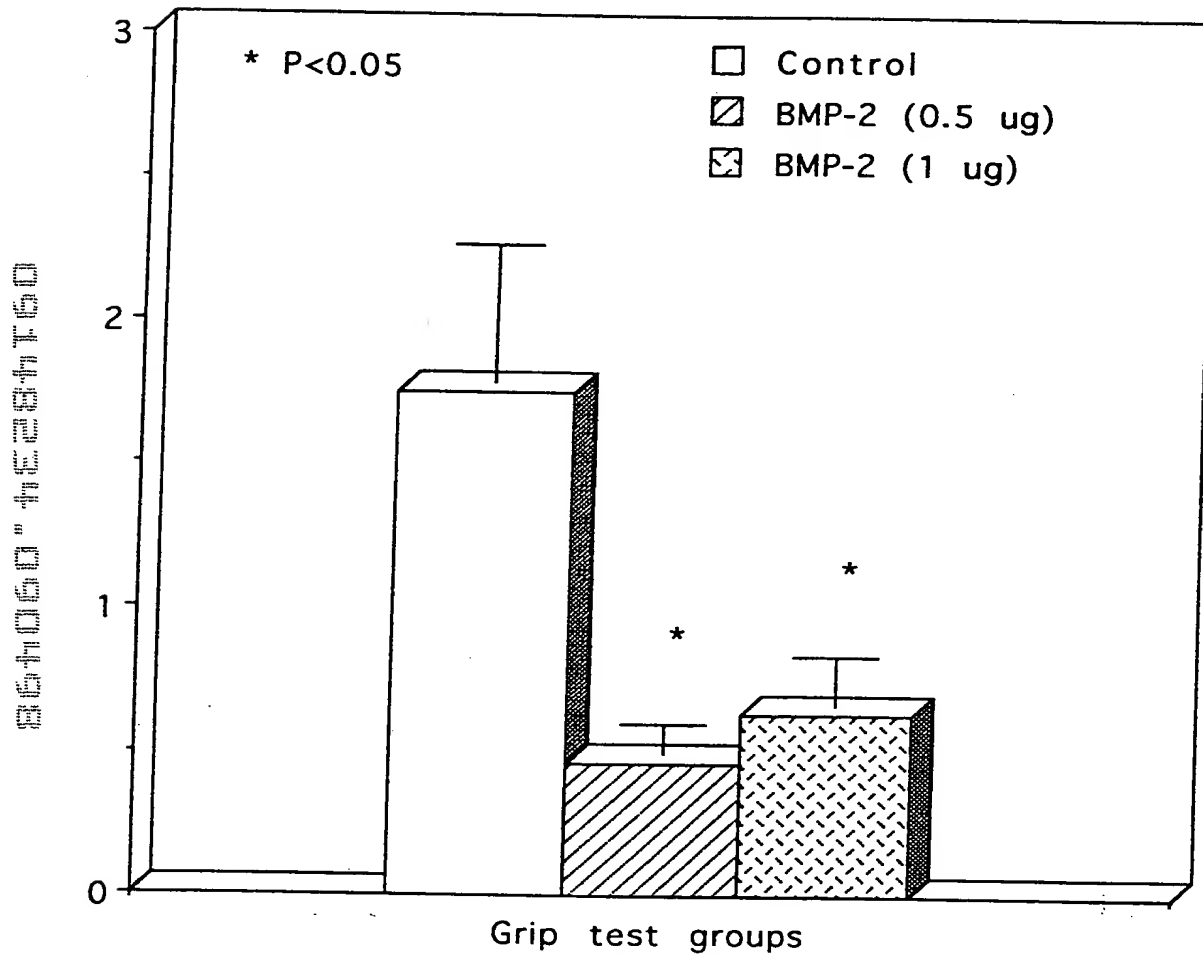


FIG. 2

Femoral trabecular bone volume (TBV) in old mice systemically treated with BMP-2 (i.p. 0.5, 1.0 ug/day, 20d)

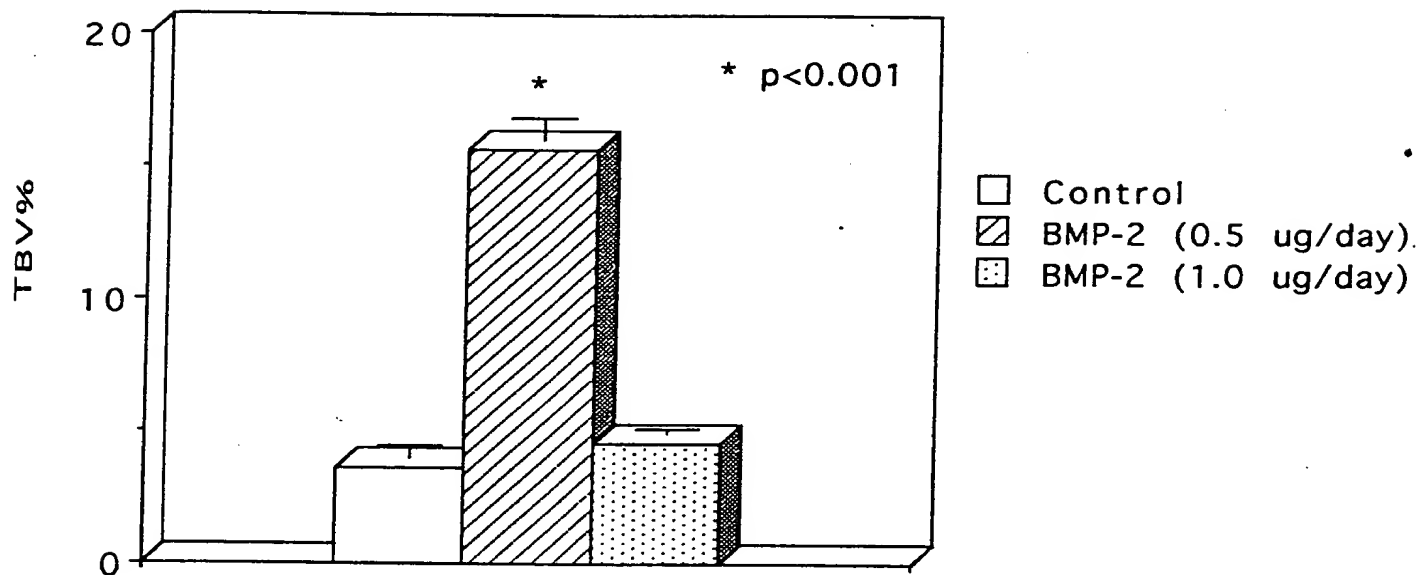


FIG. 3

CFU-f ALP (+) % obtained from systemically treated old mice with BMP-2 (i.p. 0.5, 1.0 ug/day, 20d)

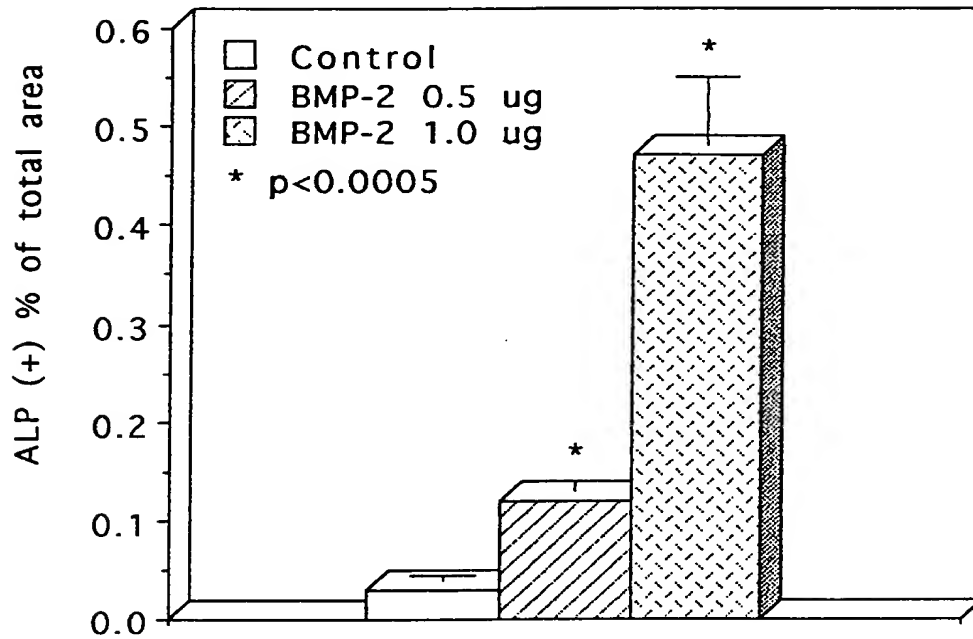


FIG. 4

CFU-f BrdU (+) % obtained from systemically treated old mice with BMP-2 (i.p. 0.5, 1.0 ug/day, 20d)

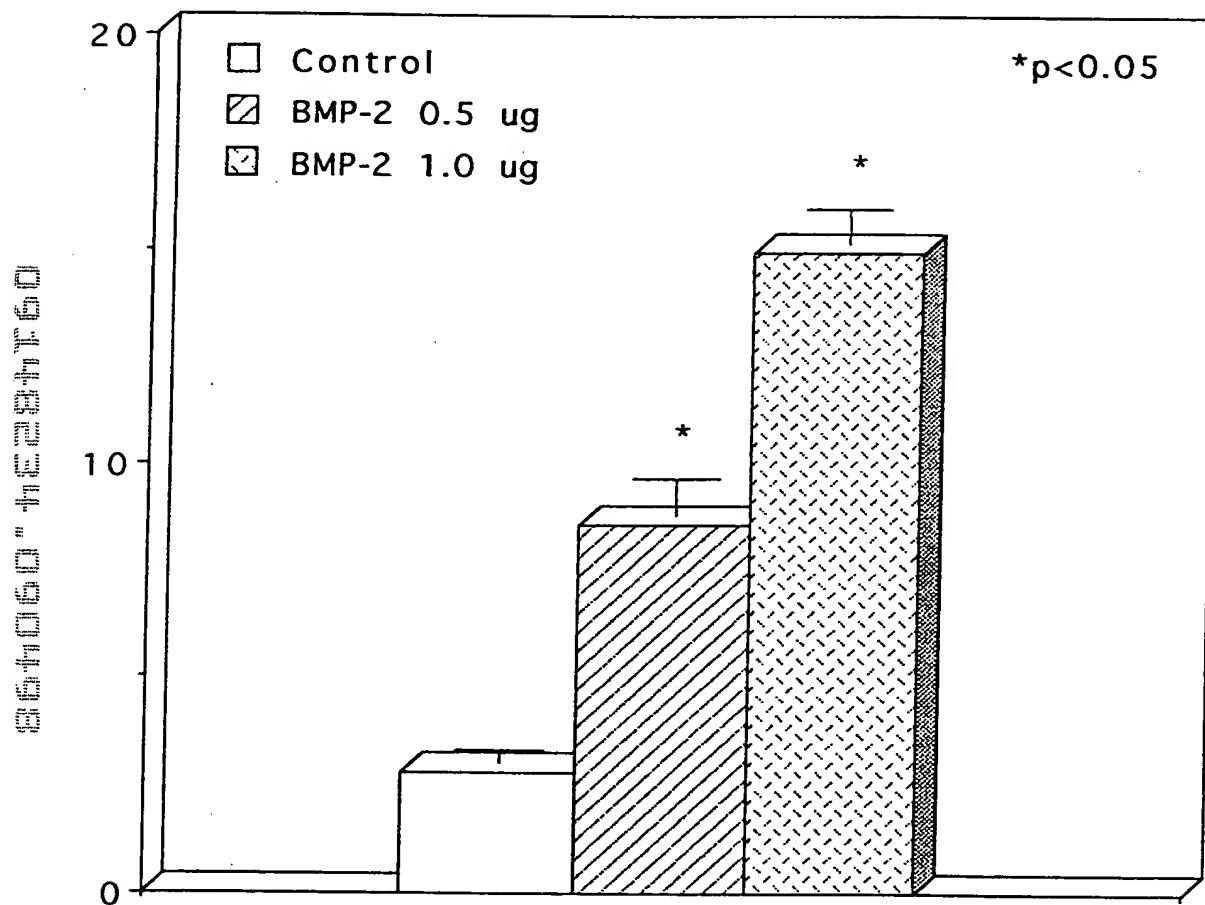


FIG. 5

CFU-f apoptotic cells % (DAPI staining) obtained from systemically treated old mice with BMP-2 (i.p. 0.5, 1.0 ug/day, 20d)

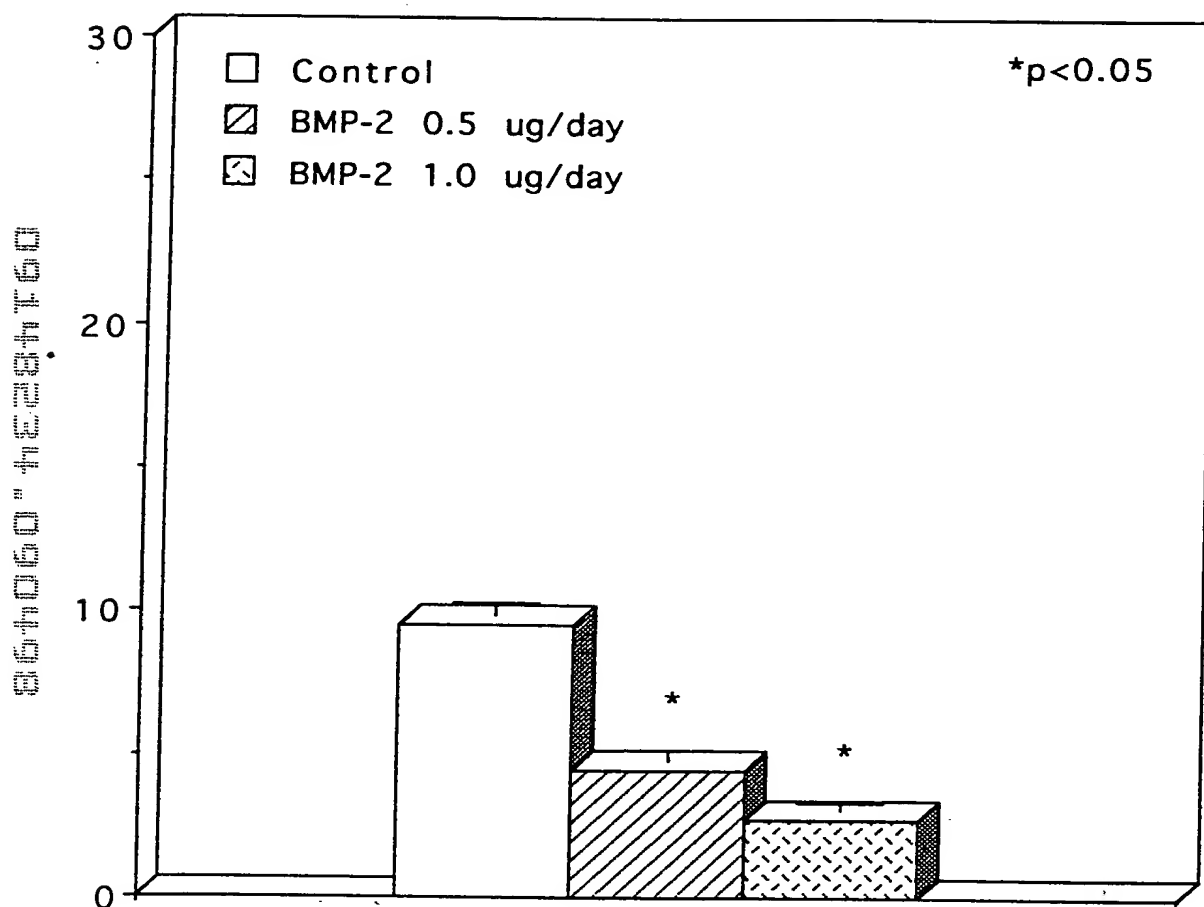


FIG. 6

B-gal Histochemistry in CFU-f infected on d.6
with Adeno-LacZ construct 10pfu/cell

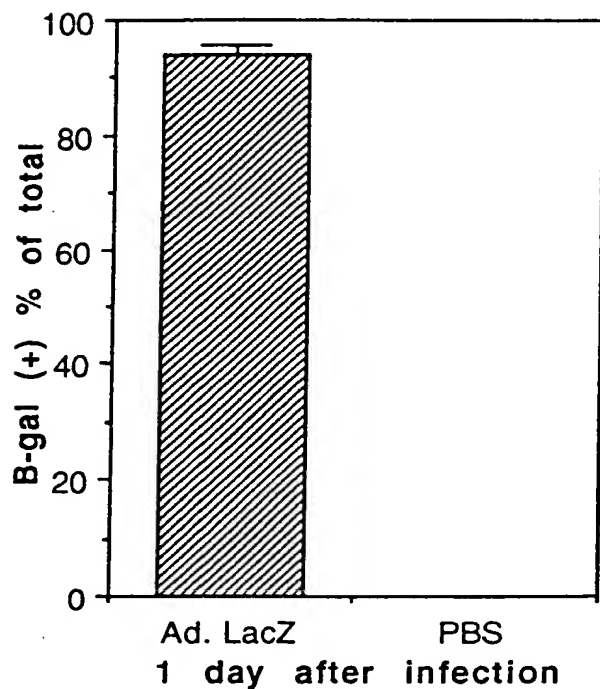


FIG. 7A

CFU-f BrdU (+) % after infection with
Ad-BMP2 10pfu/cell

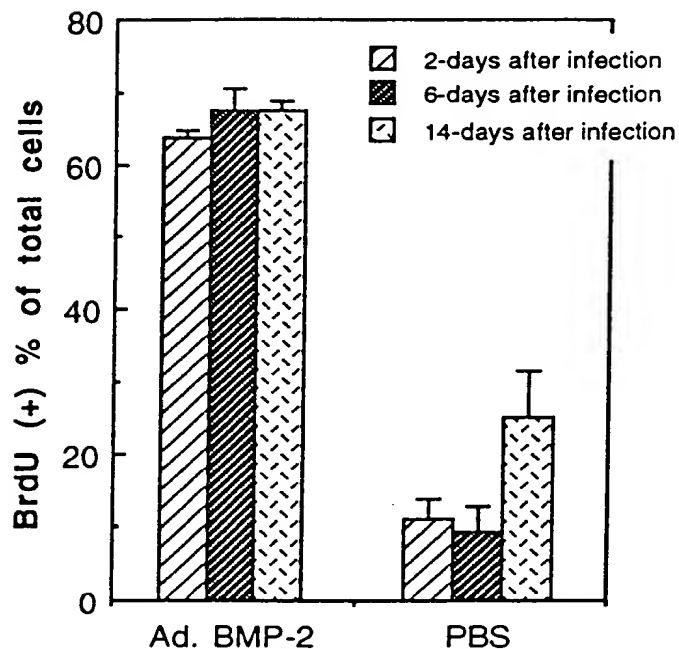


FIG. 7B

CFU-f apoptosis % (PI staining) after Adenoviral
infection d.6 (Ad-BMP-2 construct 10pfu/plate)

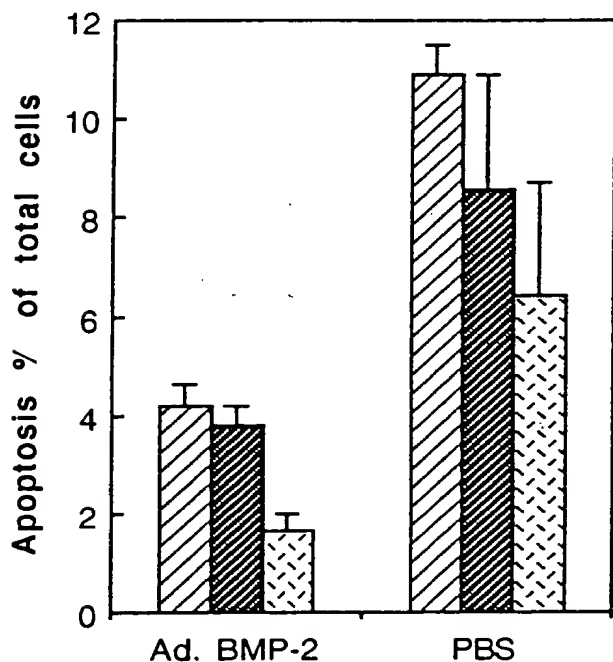


FIG. 7C

Effect of adenoviral infection on d.6 (Adeno-BMP-2
construct 10pfu/cell on CFU-f (ALP+) area

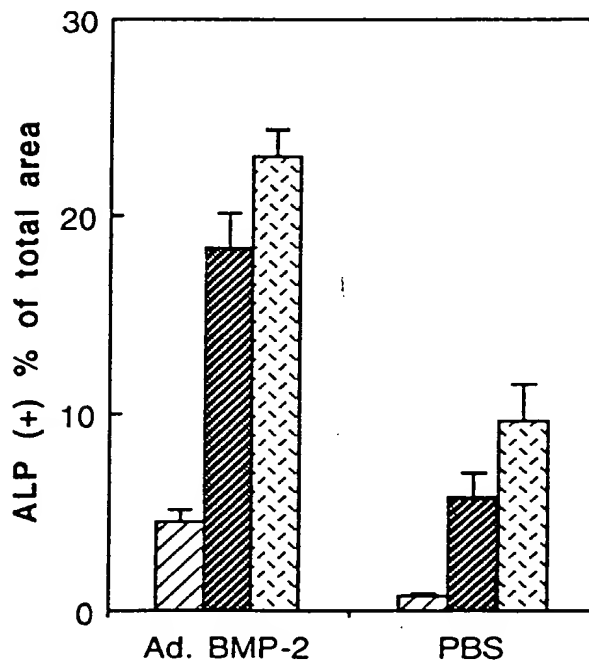


FIG. 7D

X-ray densitometry in segmental defect

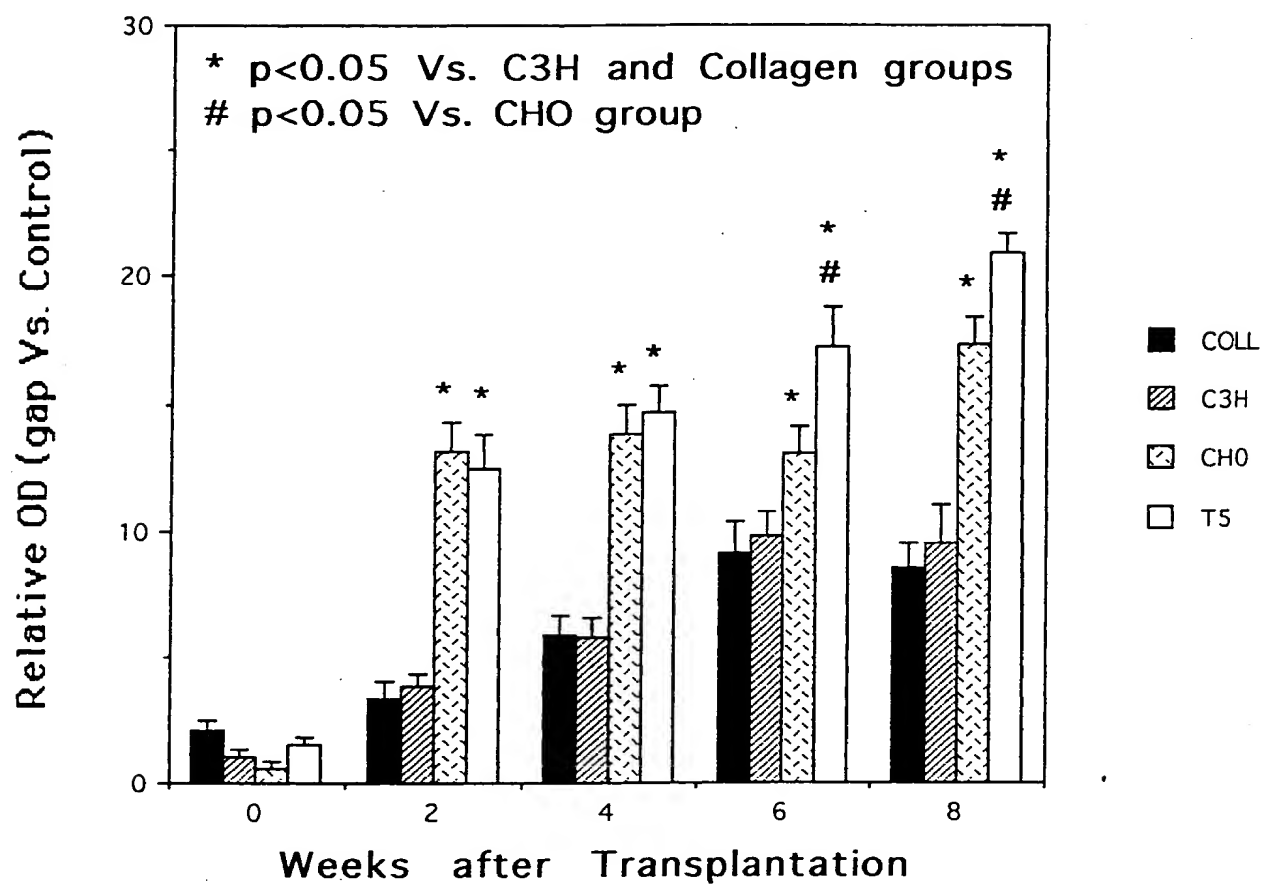
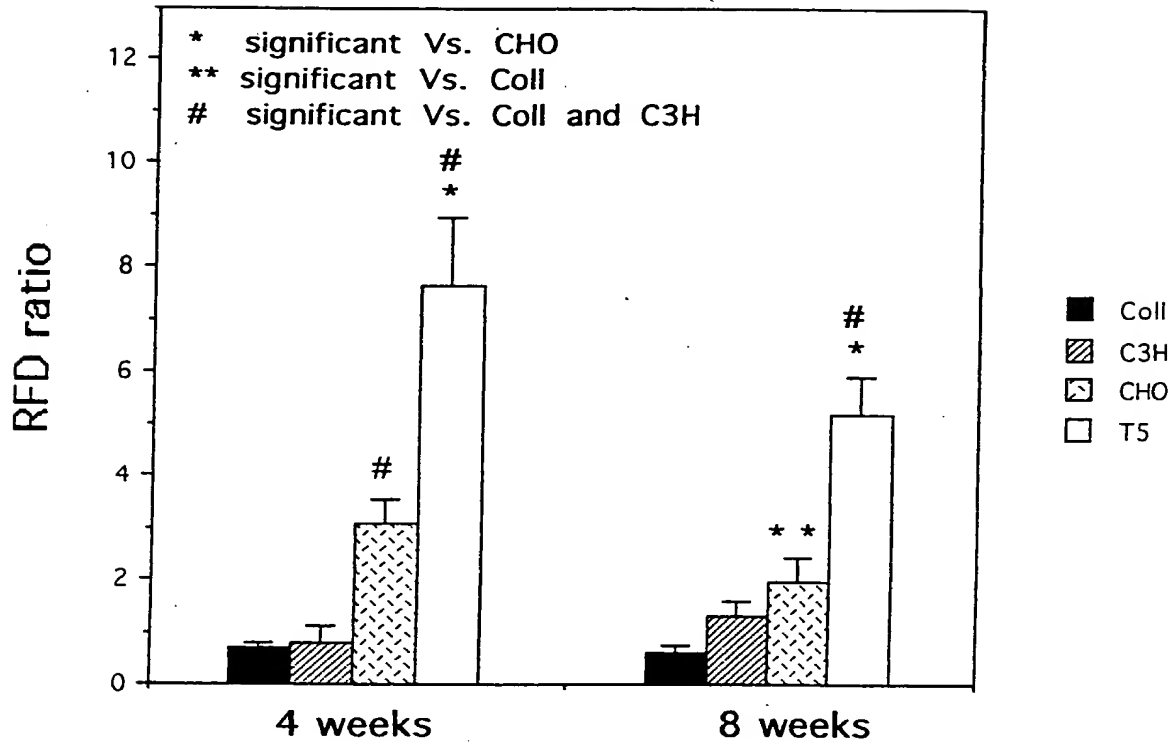


FIG. 8

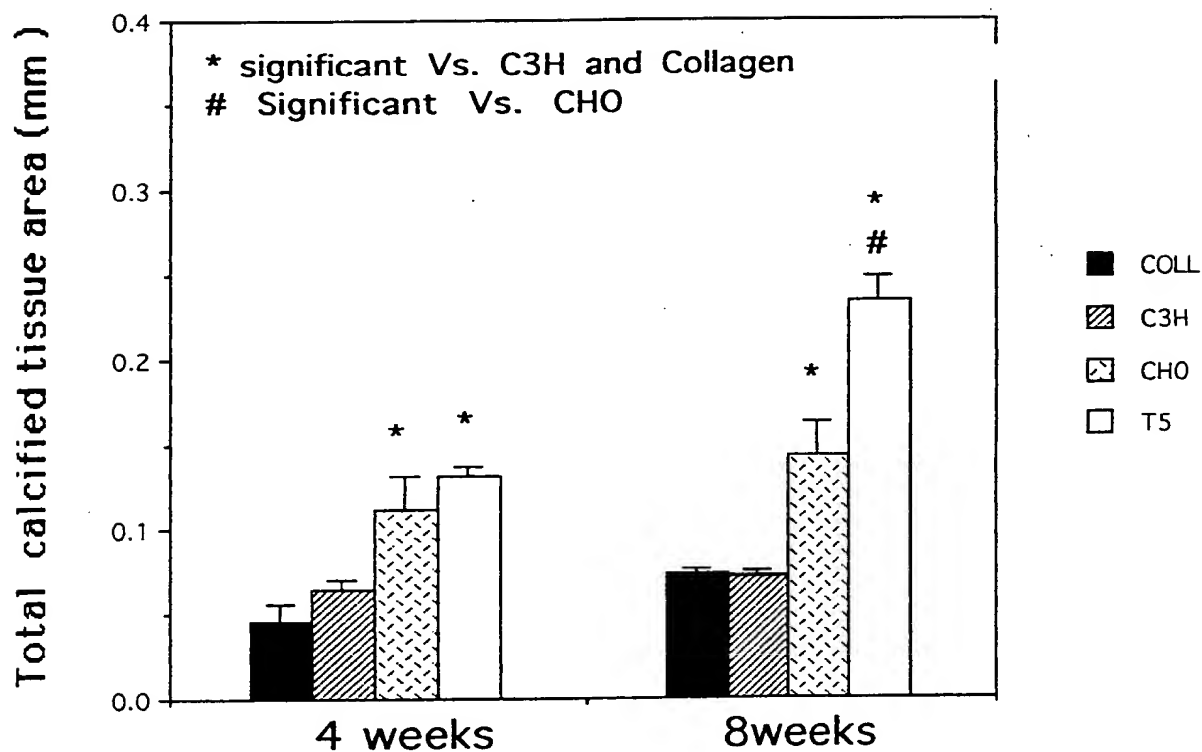
Relative Fluorescence Density in gap



Note - No significant value between 4w and 8 w

FIG. 9

Histomorphometrical analysis of gap healing



Only T5 and collagen groups are significant between 4 and 8 weeks

FIG. 10